

FIGURE 1

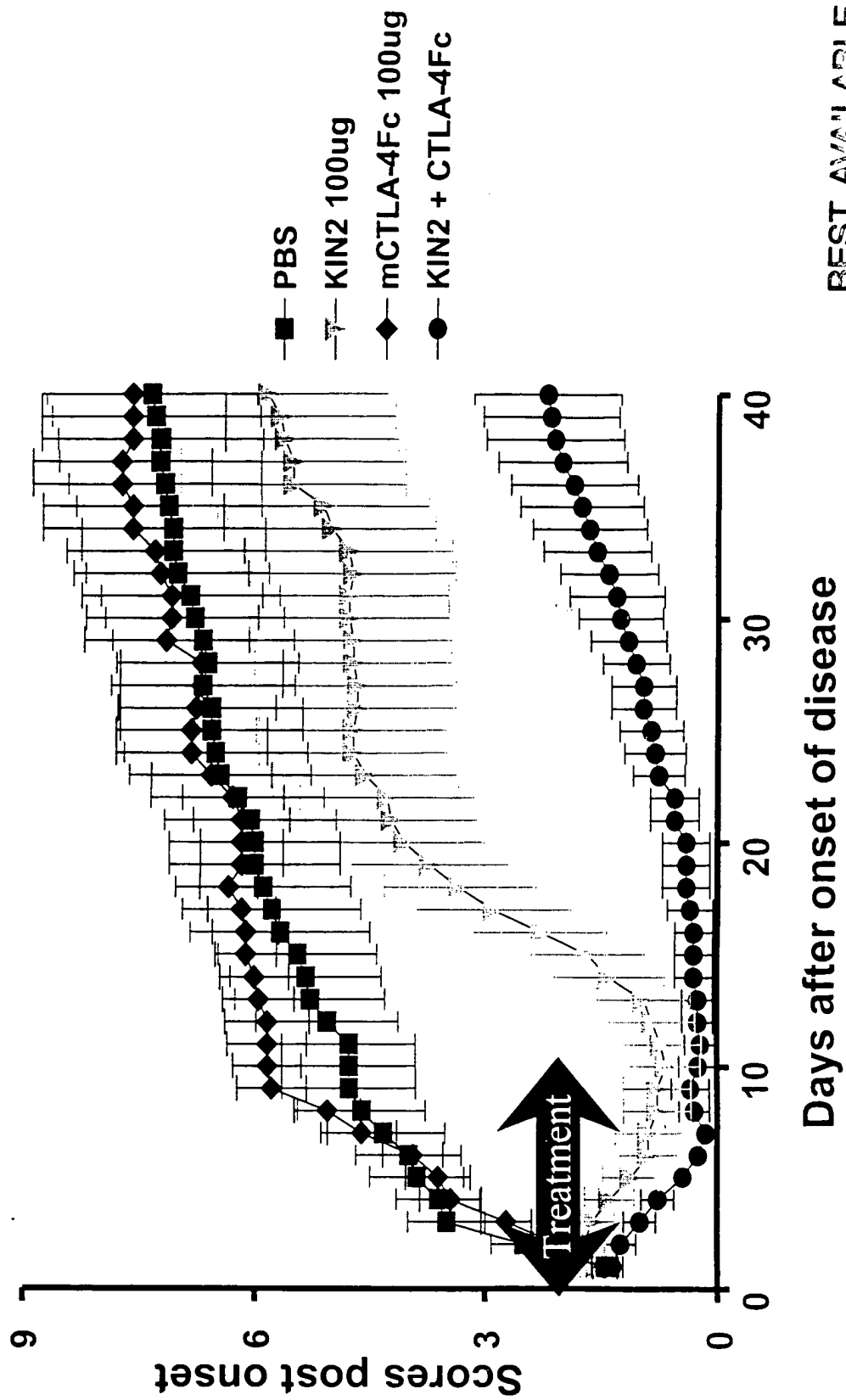


FIGURE 2

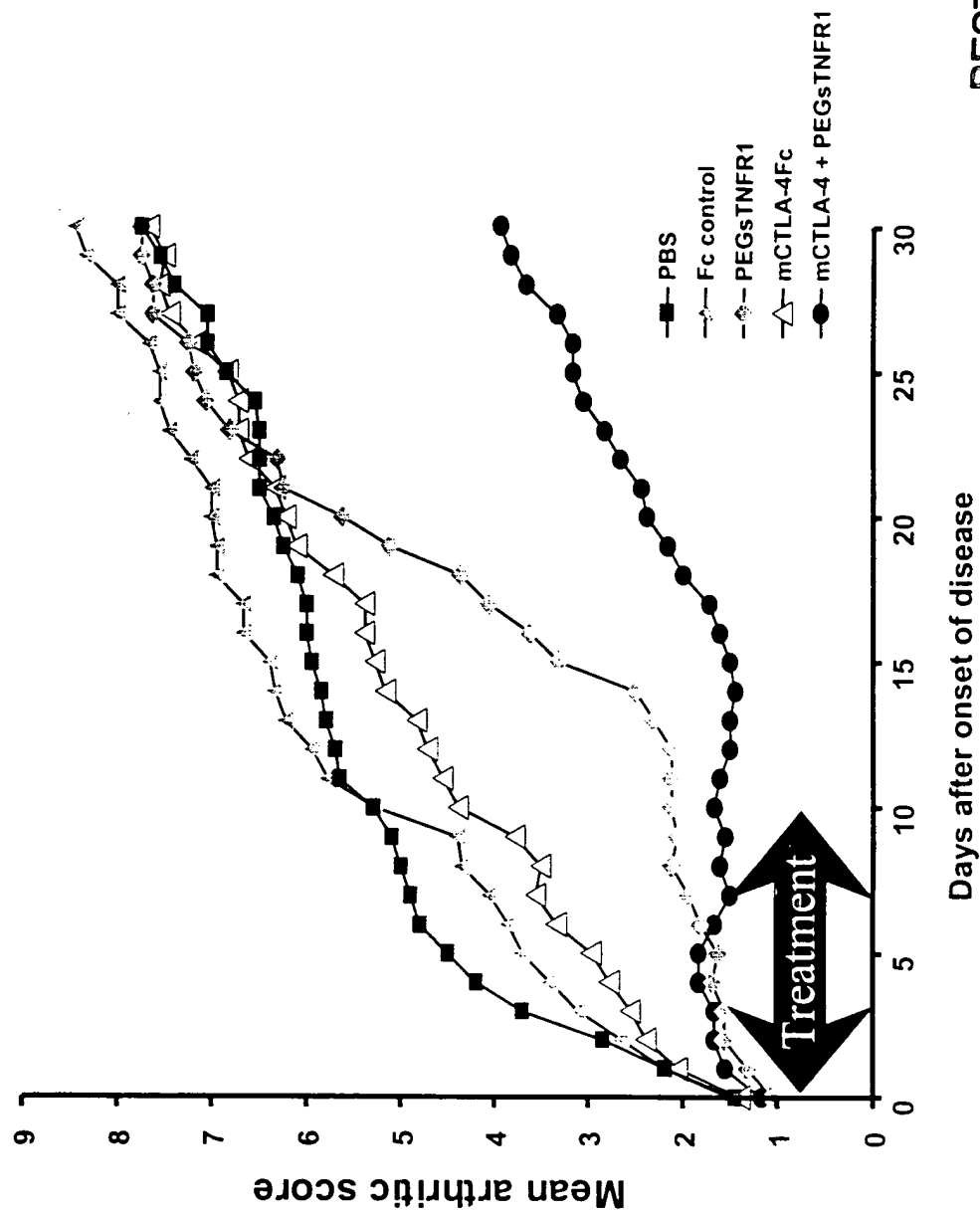


FIGURE 3A

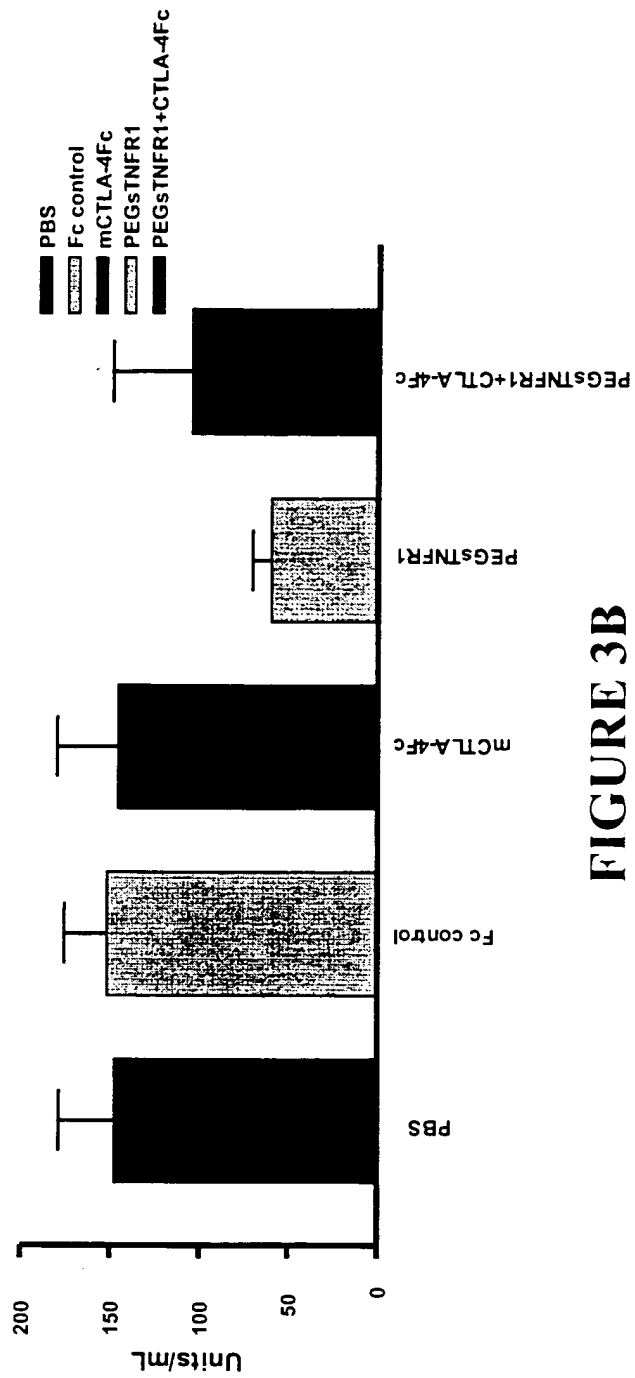


FIGURE 3B

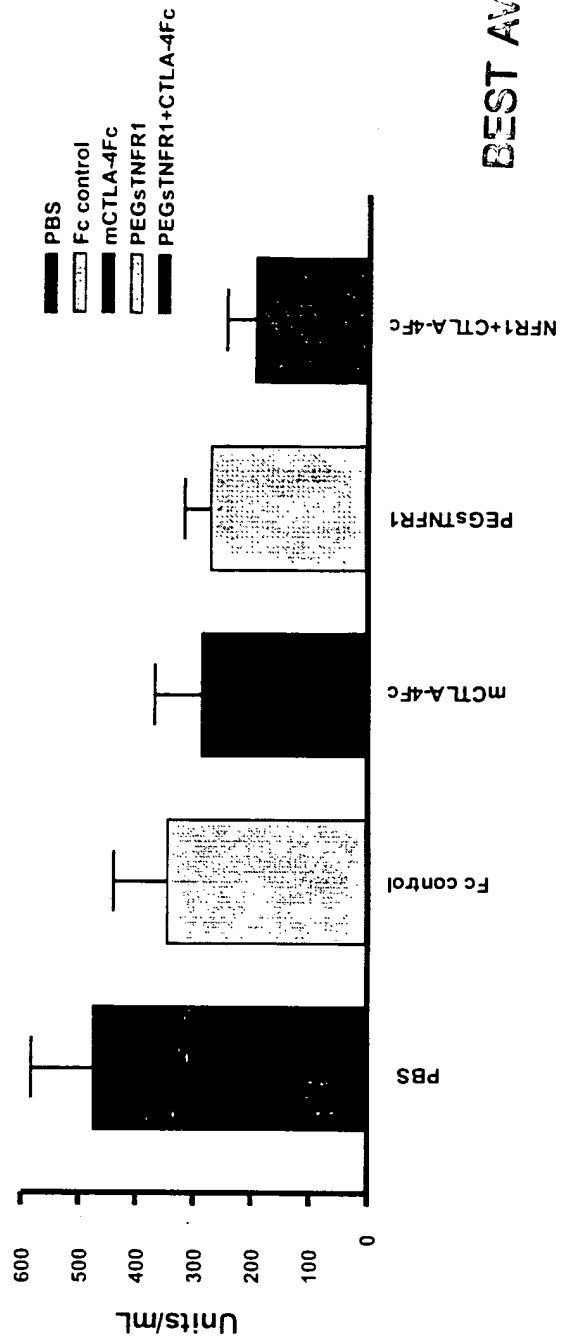


FIGURE 4

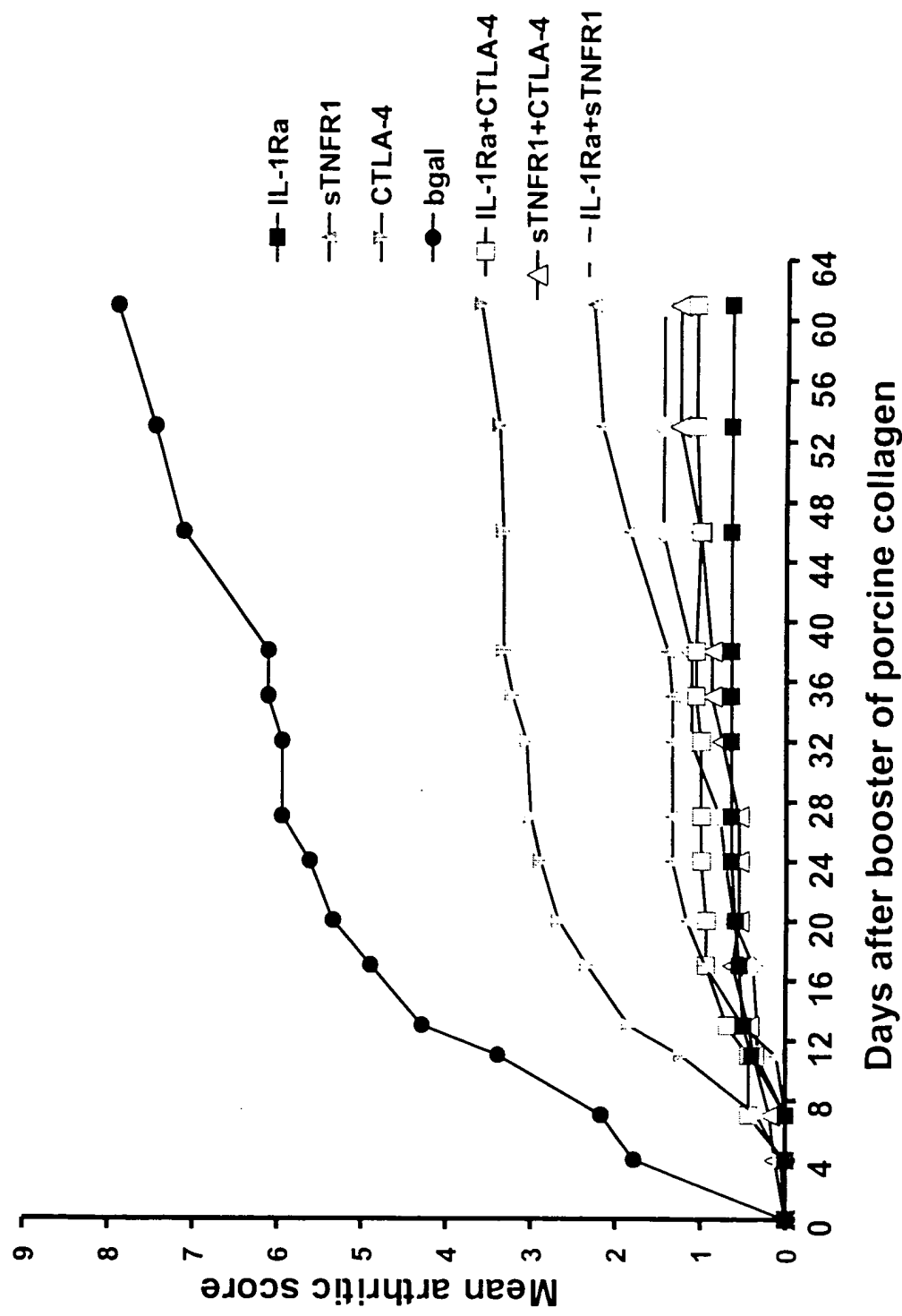


FIGURE 5

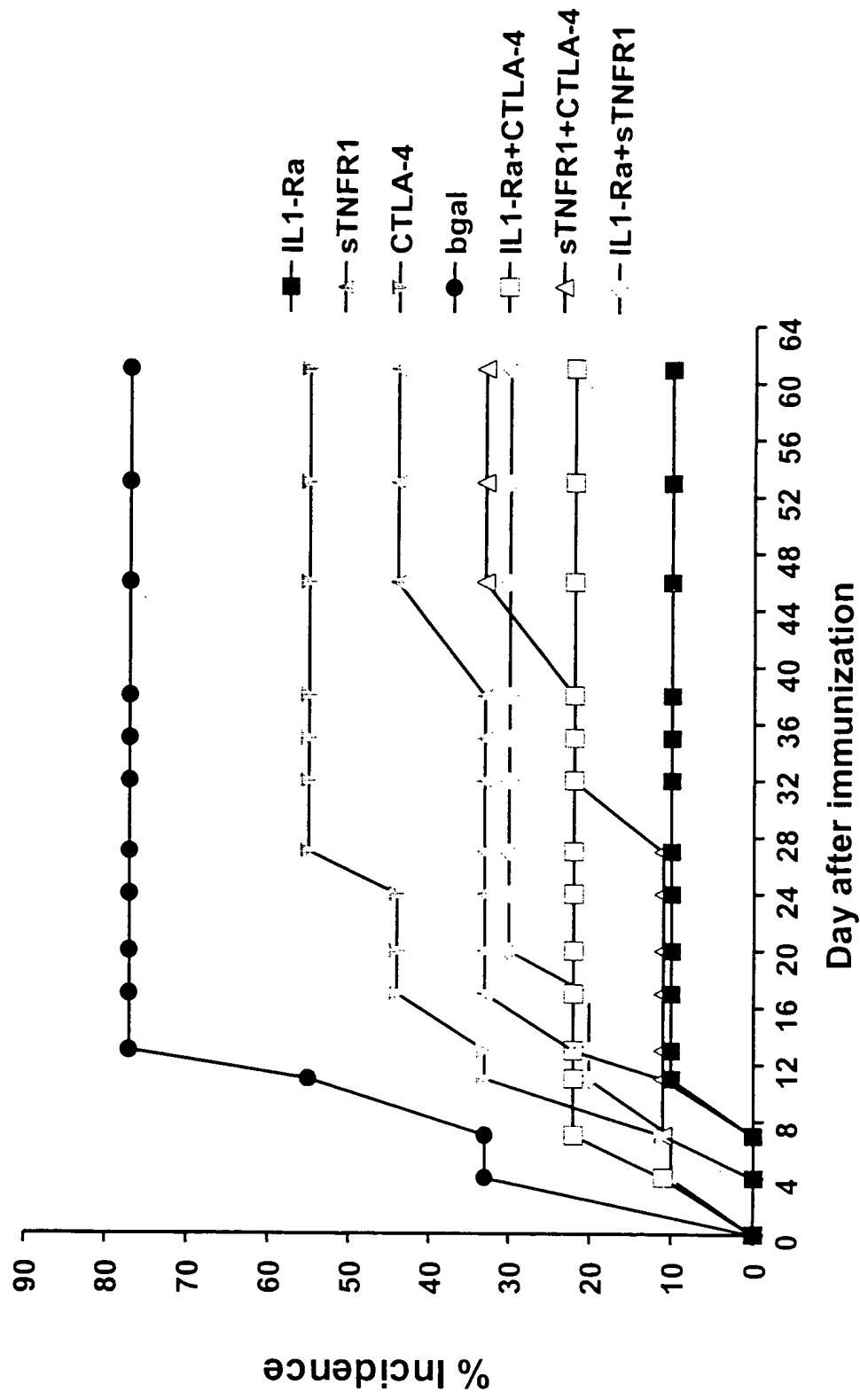


FIGURE 6

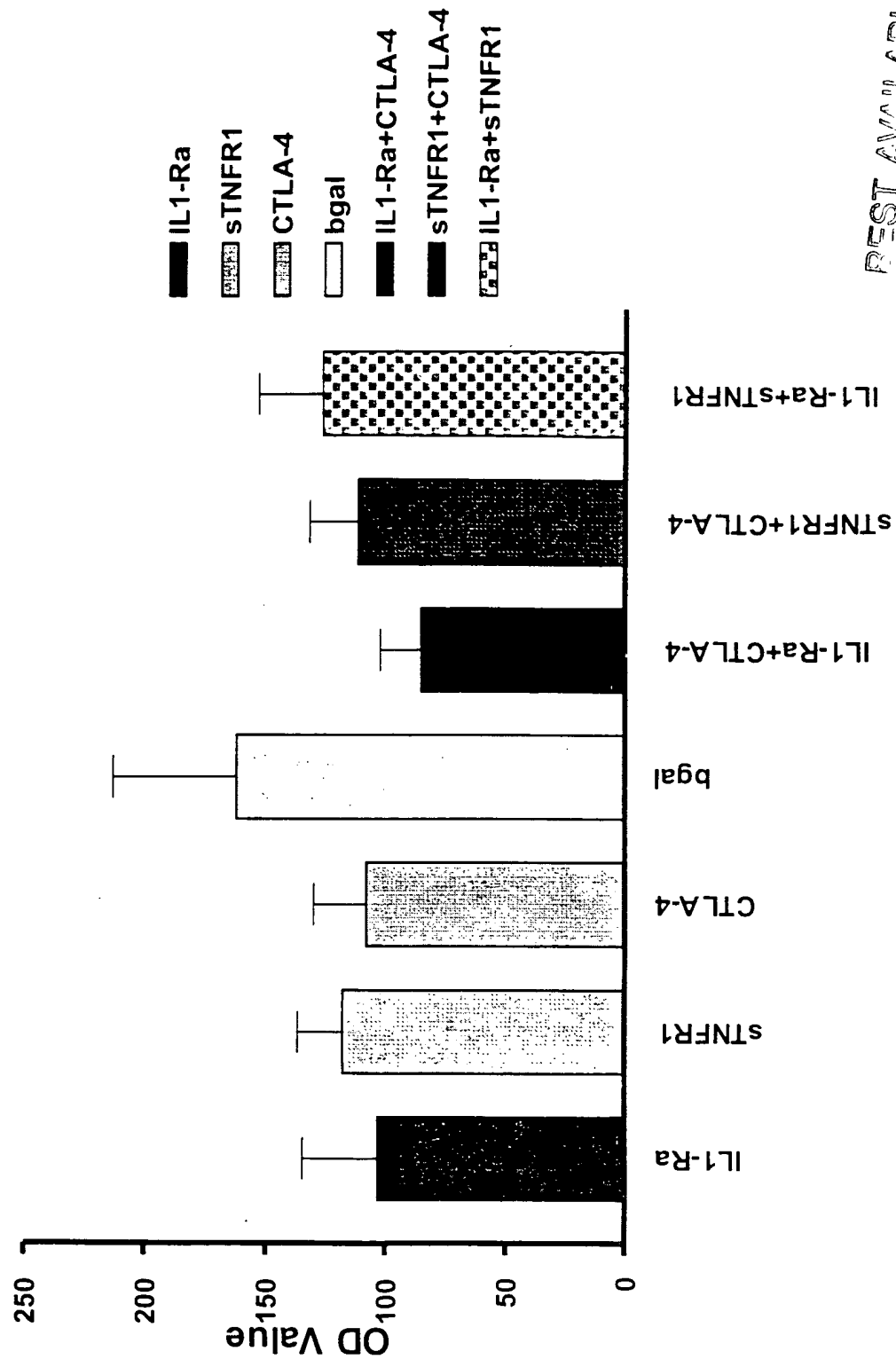


FIGURE 7

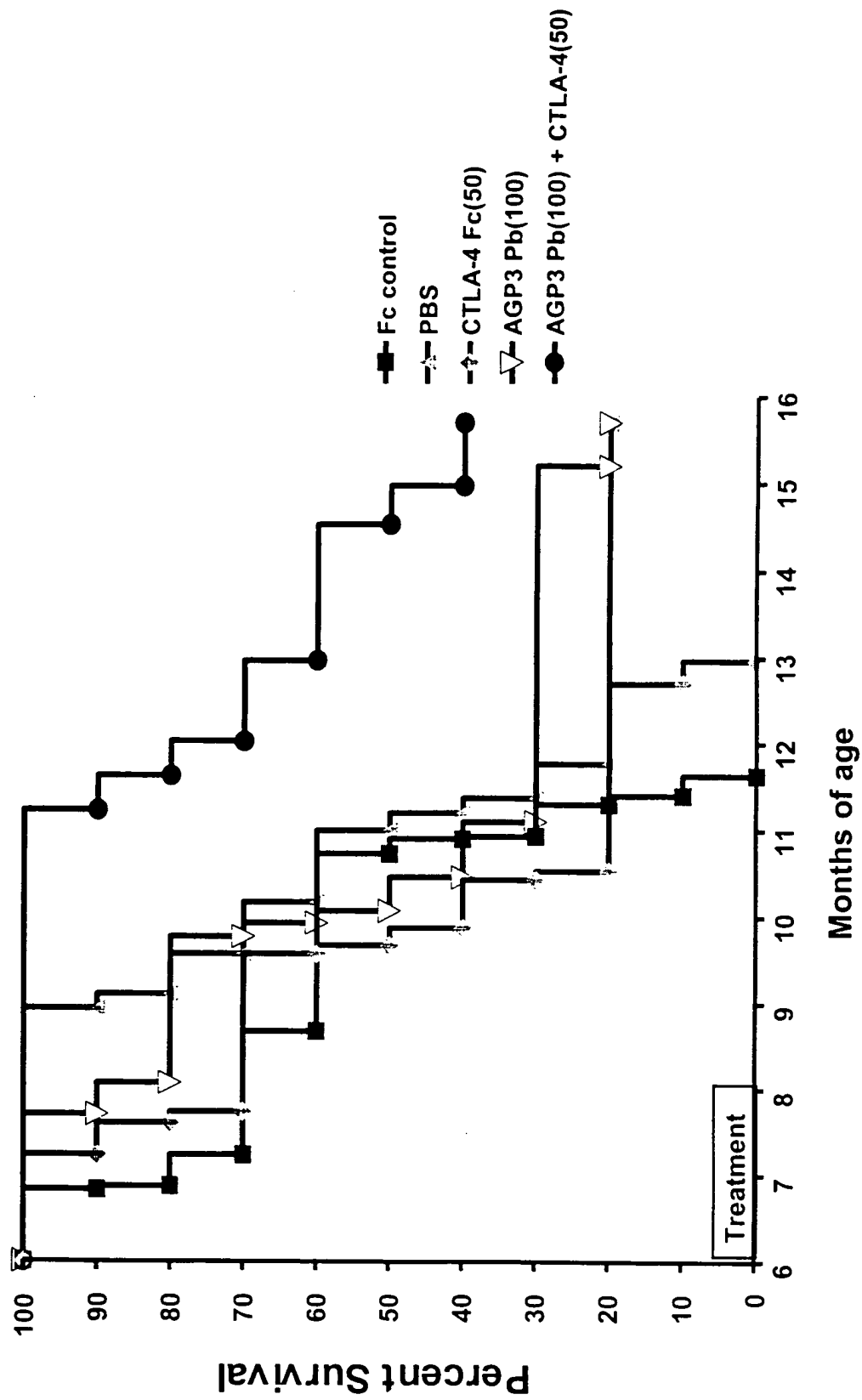


FIGURE 8

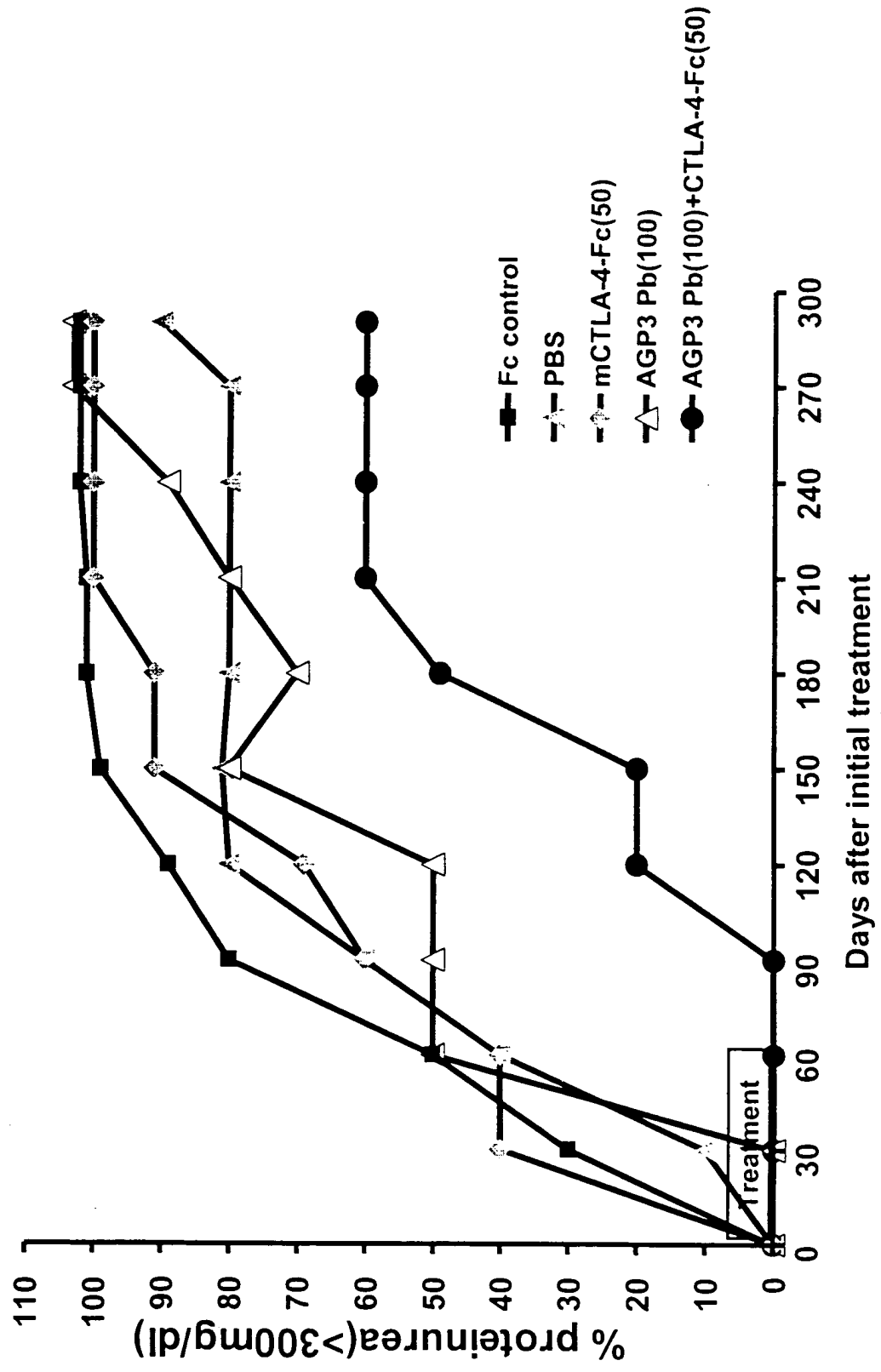


FIGURE 9A

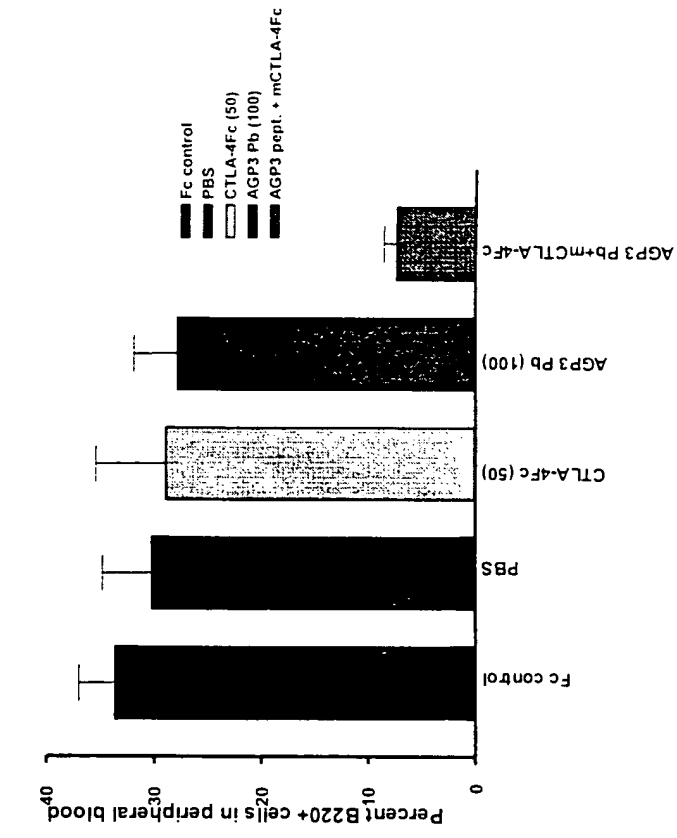


FIGURE 9B

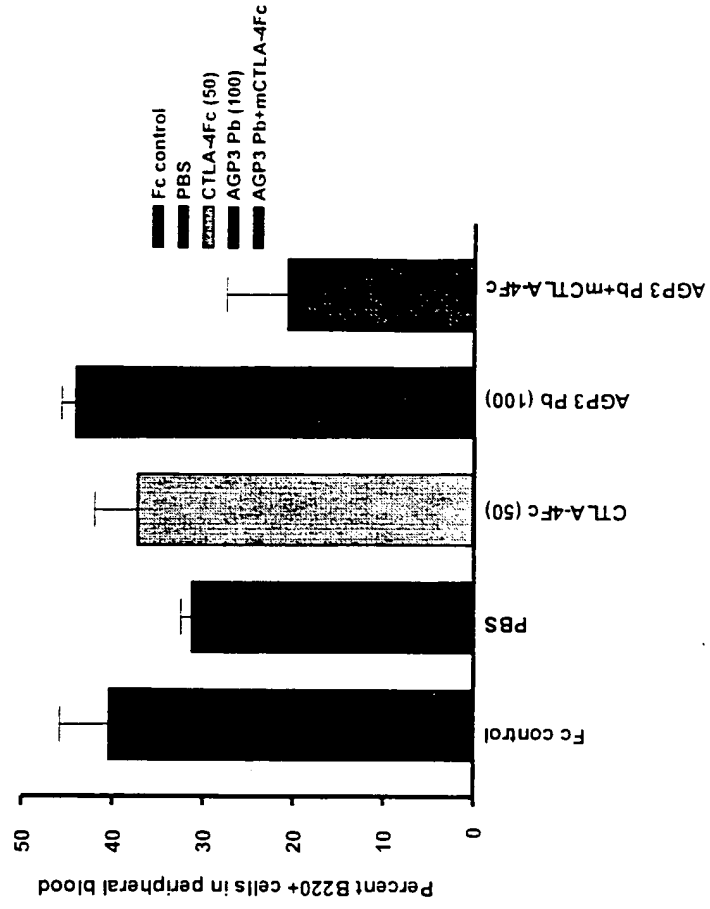


FIGURE 10

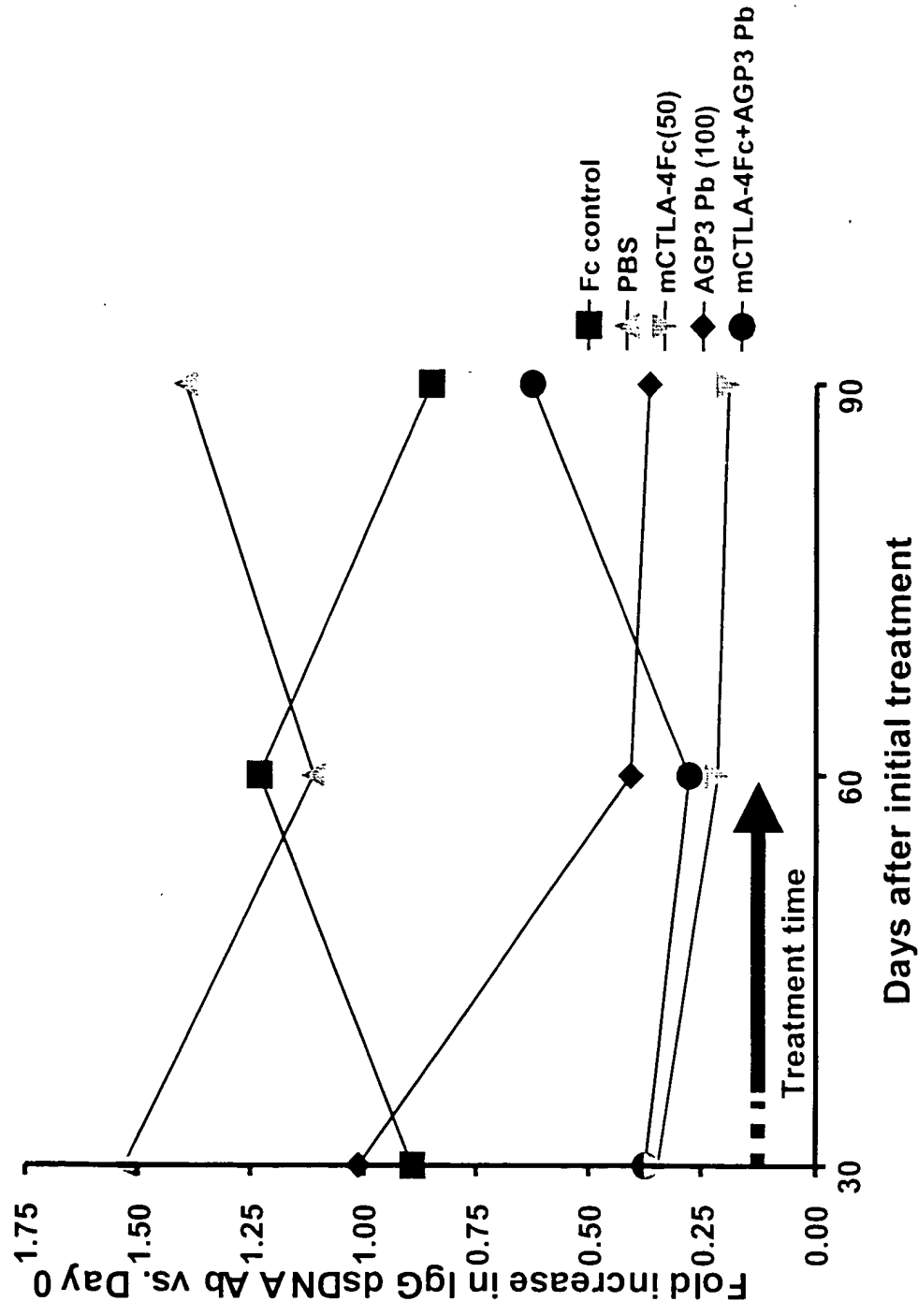


FIGURE 11

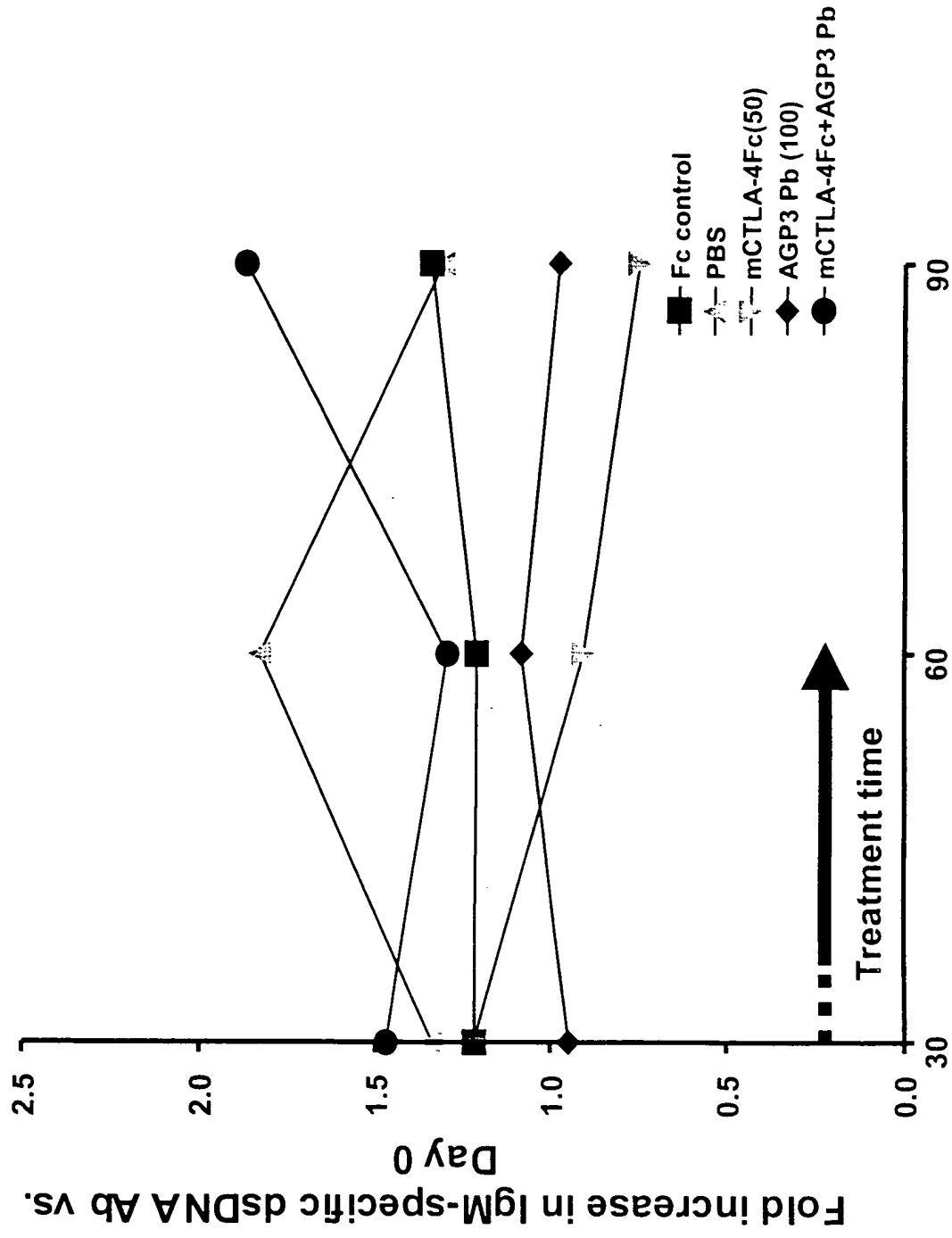


FIGURE 12

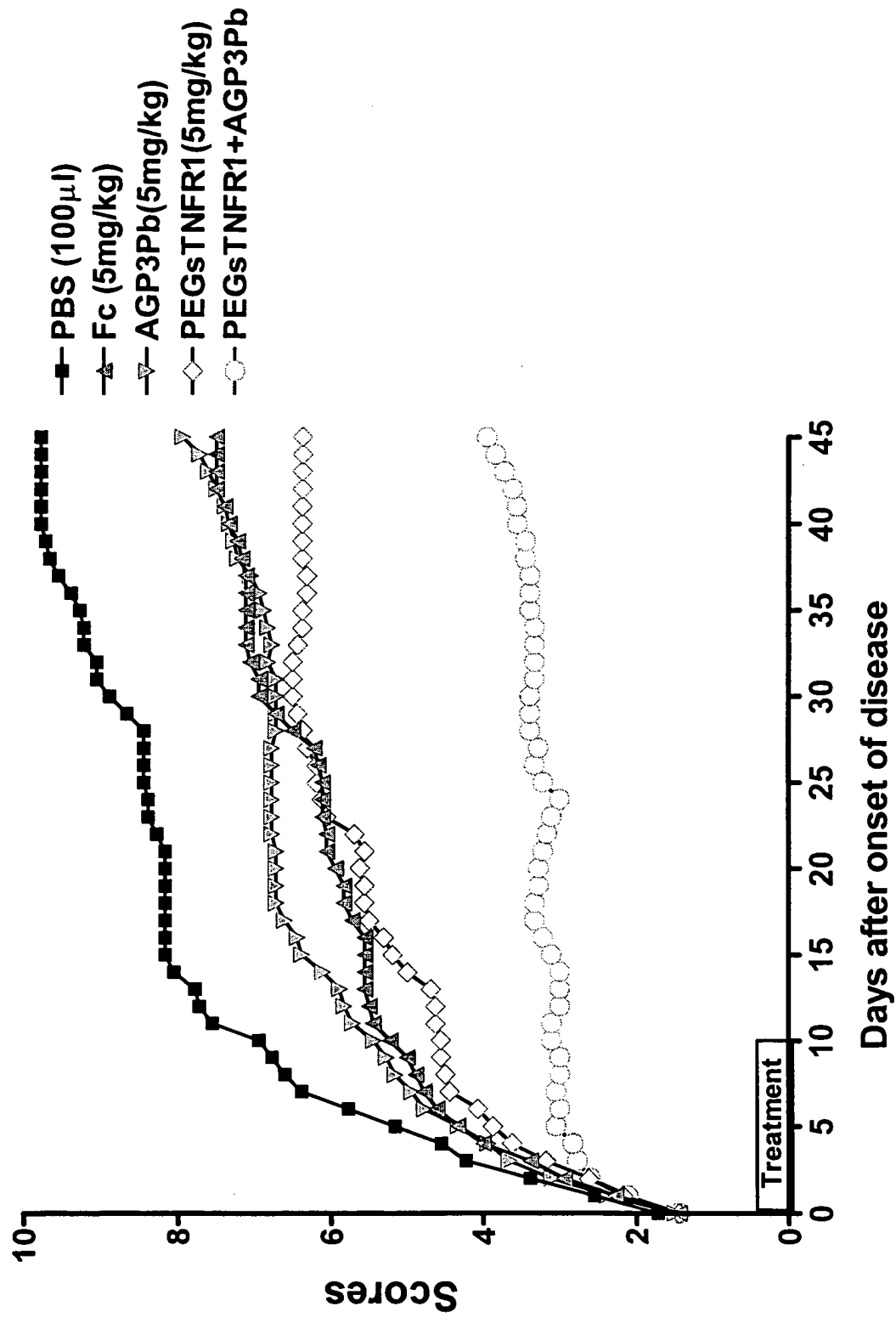


FIGURE 13

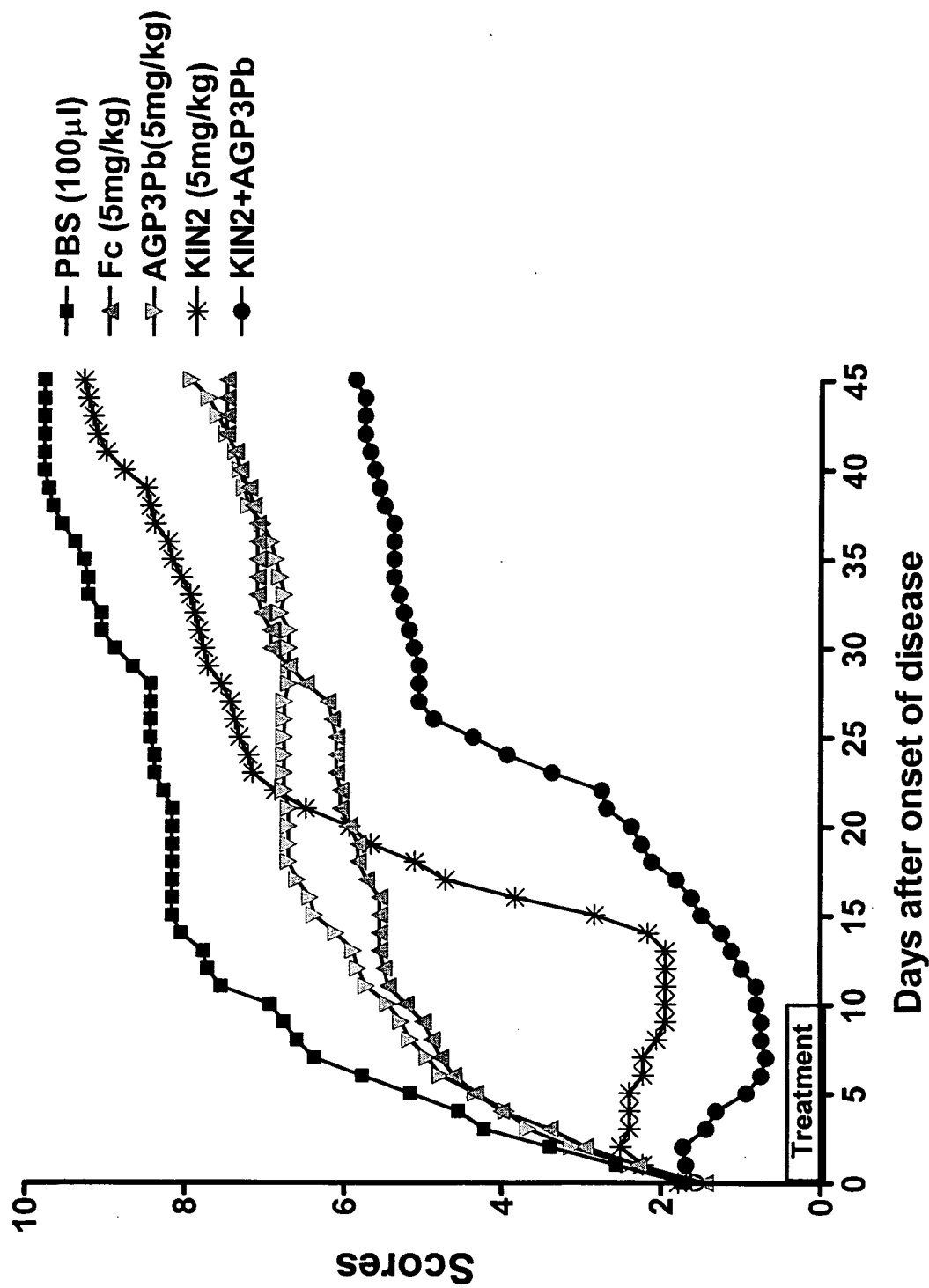


FIGURE 14

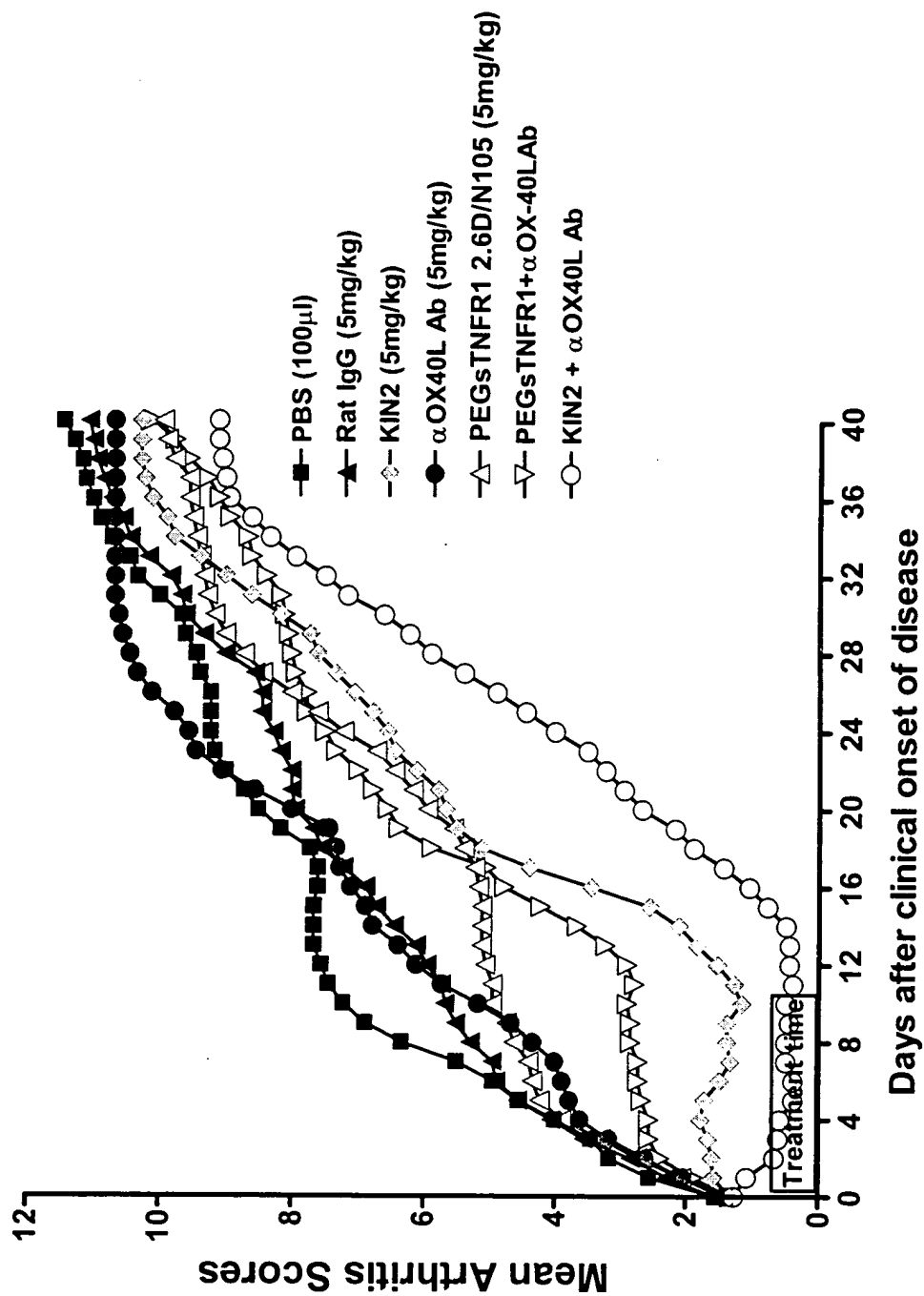


FIGURE 15

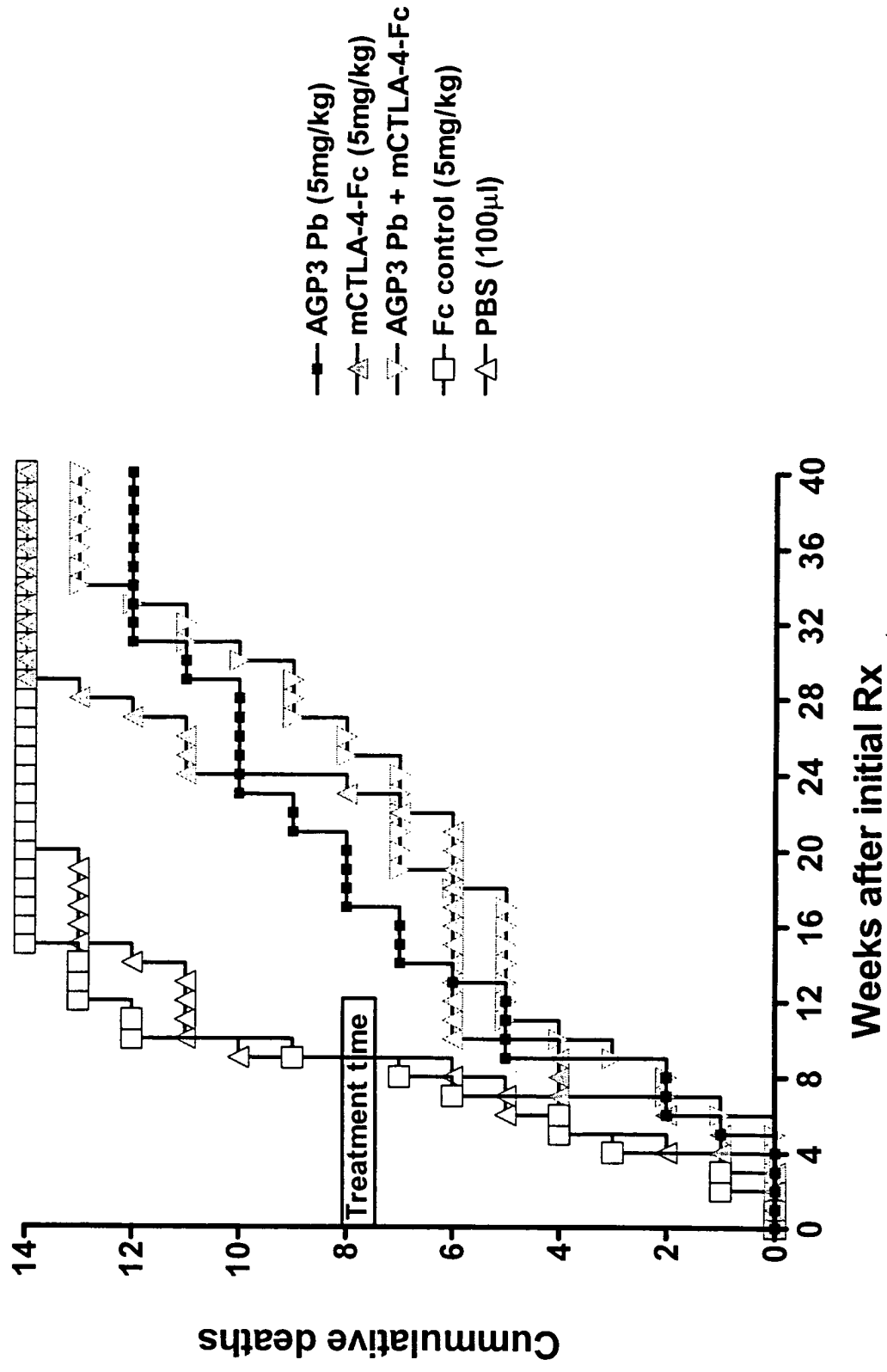


FIGURE 16

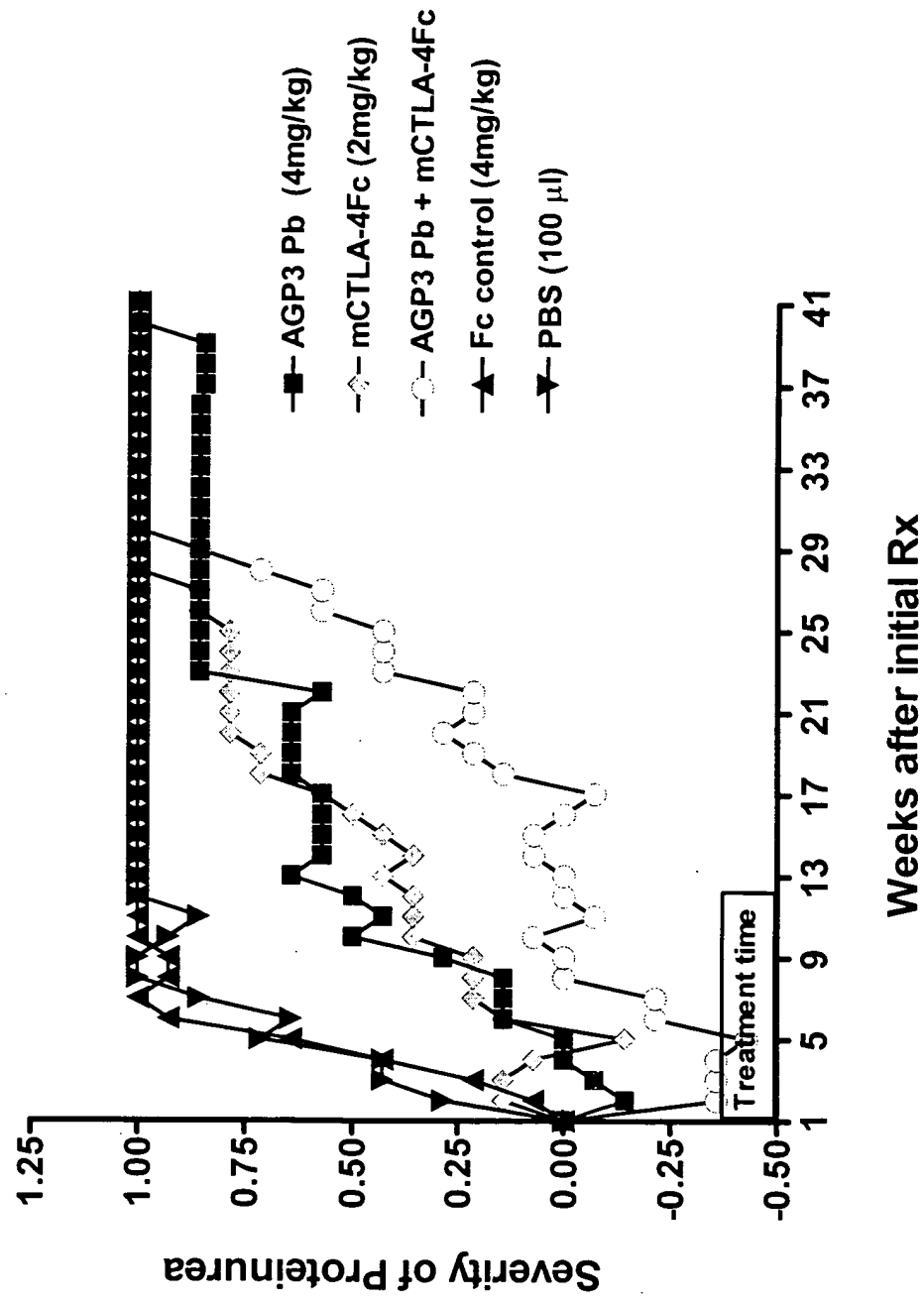


FIGURE 17

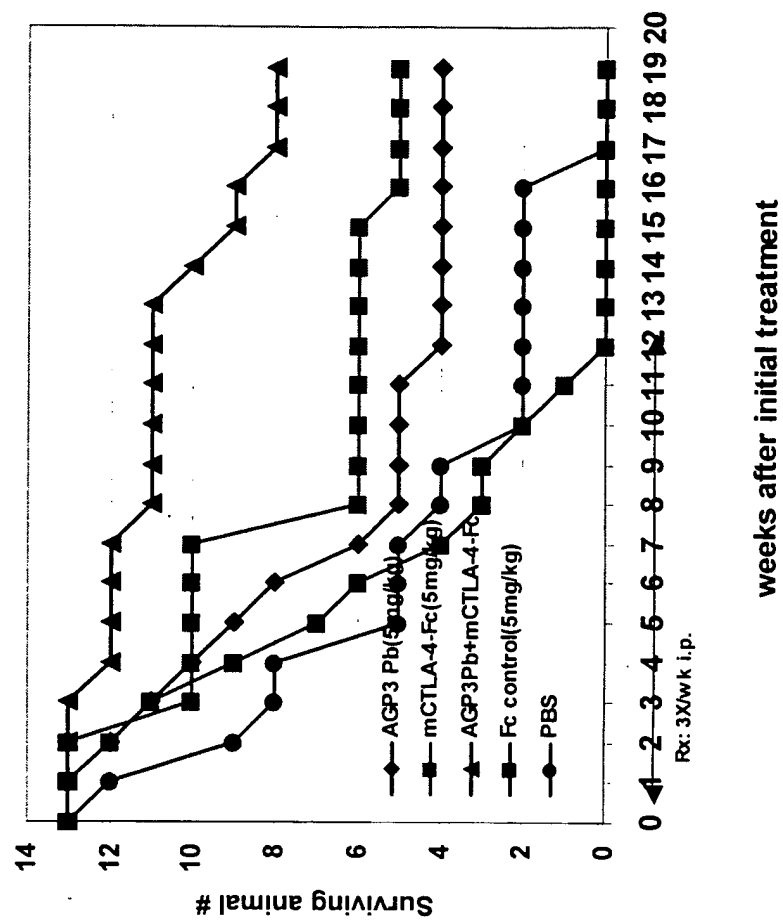


FIGURE 18

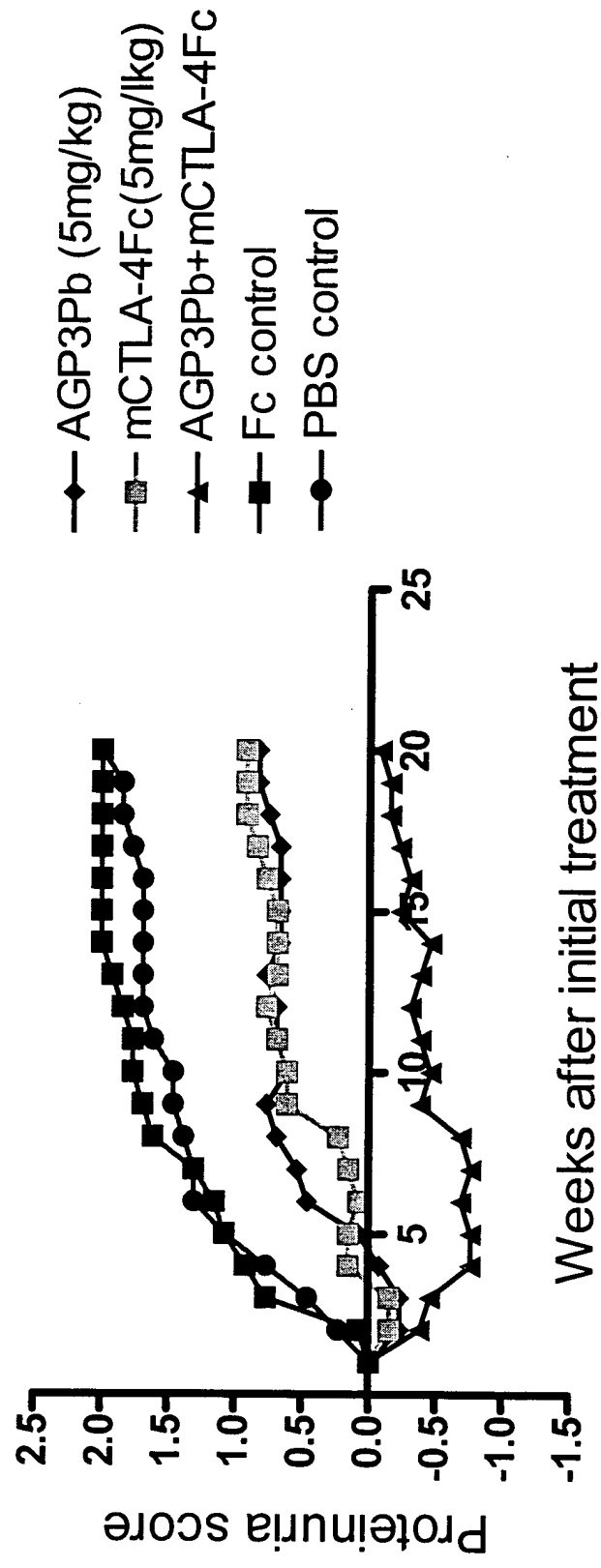


Figure 19
AGP-3 Peptibody Sequence

MLPGCKWDLI IKQWVCDPLG SGSATGGSGS TASSGSGSAT HMLPGCKWDL
LIKQWVCDPL GGGGGVDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS
RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS
VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS
RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGDSF
FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSL PGK (SEQ ID NO. 1)

Figure 20
CTLA4 amino acid sequence

MHVAQPAVV LASSRGIASF VCEYASPGKA TEVRVTVLRQ ADSQVTEVCA

ATYMMGNELT FLDDSICTGT SSGNQVNLT I QGLRAMDTGL YICKVELMYP

PPYYLGIGNG TQIYVIDPEP CPDSDFLW I LAAVSSGLFF YSFLLTAVSL

SKMLKKRSPL TTGVYVKMPP TEPECEKQFQ PYFIPIN (SEQ ID NO. 2)

FIGURE 21 **KIN2 Sequence**

```

1  ATGCGACCGTCCGGCCGTAAGAGCTCCAAAATGCAGGCTTTCCGTATCTGGGACGTTAAC
   -----+-----+-----+-----+-----+ 60
   M R P S G R K S S K M Q A F R I W D V N

61  CAGAAAACCTTCTACCTGCGCAACAACCAGCTGGTTGCTGGCTACCTGCAGGGTCCGAAC
   -----+-----+-----+-----+-----+ 120
   Q K T F Y L R N N Q L V A G Y L Q G P N

121  GTTAACCTGGAAGAAAAAATCGACGTTGTACCGATCGAACCGCACGCTCTGTTTCTGGGT
   -----+-----+-----+-----+-----+ 180
   V N L E E K I D V V P I E P H A L F L G

181  ATCCACGGTGGTAAATGTGCCTGAGCTGCGTGAAATCTGGTGACGAAACTCGTCTGCAG
   -----+-----+-----+-----+-----+ 240
   I H G G K M C L S C V K S G D E T R L Q

241  CTGGAAGCAGTTAACATCACTGACCTGAGCGAAAACCGCAAACAGGACAAACGTTTCGCA
   -----+-----+-----+-----+-----+ 300
   L E A V N I T D L S E N R K Q D K R F A

301  TTCATCCGCTCTGACAGCGGCCCCGACCACCAGCTTCGAATCTGCTGCTTGCCCGGGTTGG
   -----+-----+-----+-----+-----+ 360
   F I R S D S G P T T S F E S A A C P G W

361  TTCCTGTGCACTGCTATGGAAGCTGACCAGCCGGTAAGCCTGACCAACATGCCGGACGAA
   -----+-----+-----+-----+-----+ 420
   F L C T A M E A D Q P V S L T N M P D E

421  GGCGTGATGGTAACCAAATTCTACTTCCAGGAAGACGAAGCTGCAGCTGAACCAAATCT
   -----+-----+-----+-----+-----+ 480
   G V M V T K F Y F Q E D E A A A E P K S

481  TCCGACAAAACCTCACACATGCCCACCGTGCCAGCACCTGAACTCCTGGGGGGACCGTCA
   -----+-----+-----+-----+-----+ 540
   S D K T H T C P P C P A P E L L G G P S

541  GTCTTCCTCTTCCCCC AAAACCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTC
   -----+-----+-----+-----+-----+ 600
   V F L F P P K P K D T L M I S R T P E V

601  ACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTG
   -----+-----+-----+-----+-----+ 660
   T C V V V D V S H E D P E V K F N W Y V

661  GACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGAGGAGCAGTACAACAGCACG
   -----+-----+-----+-----+-----+ 720
   D G V E V H N A K T K P R E E Q Y N S T

721  TACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAGGACTGGCTGAATGGCAAGGAGTAC
   -----+-----+-----+-----+-----+ 780
   Y R V V S V L T V L H Q D W L N G K E Y

```

FIGURE 21 (cont.)

```

781  AAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCC
-----+-----+-----+-----+-----+-----+ 840
K C K V S N K A L P A P I E K T I S K A

841  AAAGGGCAGCCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACC
-----+-----+-----+-----+-----+ 900
K G Q P R E P Q V Y T L P P S R D E L T

901  AAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTG
-----+-----+-----+-----+-----+ 960
K N Q V S L T C L V K G F Y P S D I A V

961  GAGTGGGAGAGCAATGGGCAGCCGGAGAACAACACTACAAGACCACGCCTCCCGTGCTGGAC
-----+-----+-----+-----+-----+ 1020
E W E S N G Q P E N N Y K T T P P V L D

1021  TCCGACGGCTCCTTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAG
-----+-----+-----+-----+-----+ 1080
S D G S F F L Y S K L T V D K S R W Q Q

1081  GGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAG
-----+-----+-----+-----+-----+ 1140
G N V F S C S V M H E A L H N H Y T Q K

1141  AGCCTCTCGCTCAGCCCGGTAAATAA (SEQ ID NO. 5)
-----+-----+-----+-----+ 1167
S L S L S P G K * (SEQ ID NO. 3)

```

Figure 22
sTNF-RI Sequence
2.6D/N105

```
5' -CATATGGACAGCGTTTGCCCCCAAGGAAAATATATCCACCCTCAAAATAATTGATTTGC-
+-----+-----+-----+-----+-----+-----+
M D S V C P Q G K Y I H P Q N N S I C C -
-TGTACCAAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCCCGGGCAGGAT-
+-----+-----+-----+-----+-----+-----+
T K C H K G T Y L Y N D C P G P G Q D T -
-ACGGACTGCAGGGAGTGTGAGAGCGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACAC-
+-----+-----+-----+-----+-----+-----+
D C R E C E S G S F T A S E N H L R H C -
-TGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGATCTCTTCTTGCACA-
+-----+-----+-----+-----+-----+-----+
L S C S K C R K E M G Q V E I S S C T V -
-GTGGACCGGGACACCGTGTGTGGTTGCAGGAAGAACCAGTACCGGCATTATTGGAGTGAA-
+-----+-----+-----+-----+-----+-----+
D R D T V C G C R K N Q Y R H Y W S E N -
-AACCTTTTCCAGTGCTTCAATTAATAGGGATCC-3' (SEQ ID NO. 6)
+-----+-----+-----+-----+-----+-----+
L F Q C F N * (SEQ ID NO. 4)
```

Figure 23
IL-1 RECEPTOR AMINO ACID SEQUENCE

```
1 mkvllrlicf iallisslea dkckereeki ilvssaneid vrpcplnpne hkgtitwykd
61 dsktpvsteq asrihqhkek lwfvpakved sghyycvvrn ssyclrikis akfvenepnl
121 cynaqaifkq klpvagdggl vcpymeffkn ennelpklqw ykdckpllld nihfsgvkdr
181 livmnvaekh rgnytchasy tylgkqypit rviefitlee nkptrpvivs panetmevdl
241 gsqiqlicnv tgqlsdiayw kwngsvided dpvlgedyys venpankrrs tlitvlnise
301 iesrfykhpf tcfaknthgi daayiqliyp vtnfqkxmig icvtltviiv csvfiykikf
361 idivlwyrds cydflpikas dgktydayil ypktvgegst sdcdifvfkv lpevlekqcg
421 yklfiygrdd yvgedivevi nenvkksrri iiilvretsg fswlggssee qiamynalvq
481 dgikvvlllel ekiqdyekmp esikfikqkh gairwsgdft qgpqsaktrf wknvryhmpv
541 qrrspsskhq llspatkekl qreahvplg (SEQ ID NO. 7)
```


Figure 24
TNF RECEPTOR TYPE I AMINO ACID SEQUENCE

```
1 mglstvpdl1 lplvllellv giypsgvigl vphlgdrekr dsvcpqgkyi hpqnnsicct
61 kchkgtlyln dcpgggqddt crecesgsft asenhlrhcl scskcrkemg qveissctvd
121 rdtvcgcrkn qyrhywsenl fqcfncslcl ngtvhlscqe kqntvctcha gfflrenecv
181 scsnckksle ctklclpqie nvkgtedsgt tvllplviff glcllsllfi glmyryqrwk
241 sklysivcgk stpekegele gtttkplapn psfsptpgft ptlgfspvps stftssstyt
301 pgdcpnfap rrevappyqg adpilatala sdpiplqk wedshakpqs ldtddpatly
361 avvenvpplr wkefvrrlgl sdheidrllel qngrclreaq ysmlatwrrr tprreatlel
421 lgrvlrdmdl lgcledieea lcgpaalppa psllr (SEQ ID NO. 8)
```

FIGURE 25
TNF RECEPTOR TYPE II AMINO ACID SEQUENCE

```
1 mapvavwaal avglelwaaa halpaqvaft pyapepgstc rlreyydqta qmccskcspg
61 qhakvfctkt sdtvcdsced stytmlwnwv peclscgsrc ssdqvetqac treqnrietc
121 rpgwycalsk qegcrlcapl rkcrpgfgva rpgtetsdvv ckpcapgtfs nttssstdicr
181 phqicnvvai pgnasmdavc tstsptrsma pgavhlpqpv strsqhtqpt pepstapsts
241 flpmpgpspp aegstgdfal pvglivgvtg lglliigvvn cvimtvkvvk plclqreakv
301 phlpadkarg tqgpeqqhll itapssssss lessasaldr raptrnqpqa pgveasgage
361 arastgssds spgghgtqvn vtcivnvcss sdhssqcass asstmgttds spsespkdeq
421 vpfskeecaf rsqletpetl lgsteekplp lgvpdagmkp s (SEQ ID NO. 9)
```

FIGURE 26
CD40 AMINO ACID SEQUENCE

```
1  mvrplplqcvl  wgclltavhp  epptacrekq  ylinsqccsl  cpggqklvsd  cteftetec1
61  pcgesefldt  wnrethchqh  kycdpnlglr  vqqkgtsetd  tictceegwh  ctseacescv
121 lhrscspgfg  vkqiatgvsd  ticepcpvgf  fsnvssafek  chpwtscetk  dlvvqqagtn
181 ktdvvcgpgd  rlrallvupi  ifgilfaill  vlvfikkvak  kptnkaphpk  gepqeinfpd
241 dlpgsntaap  vqetlhgcqp  vtqedgkesr  isvqerq    (SEQ ID NO. 10)
```

FIGURE 27
CD30 AMINO ACID SEQUENCE

```
1 mrvllaalgl lflgalrafp qdrpfedtch gnpshyydka vrrccyrspm glfptqqcpq
61 rptdcrkqce pdyyldedr ctacvtcsrd dlvektpcaw nssrvcecrp gmfctstavn
121 scarcffhsv cpagmivkfp gtaqkntvce paspgvspac aspenckeps sgtipqakpt
181 pvspatssas tmpvrggtrl aqeaaskltr apdspssvgr pssdpghspt qpcpegsgdc
241 rkqcepdyyl deagrctacv scsrddlvek tpcawnsrt cecrpgmica tsatnscarc
301 vppicaaet vtkpqdmaek dttfeapplg tqpdcnptpe ngeapastsp tqslldvdsqa
361 sktlpiptsa pvalsstgkp vldagpvlfw vilvlvvvvg ssafllchrr acrkrrirql
421 hlcypvqtsq pklelvdsrp rrsstqlrsg asvtepvae rglmsqplme tchsvgaayl
481 eslplqdasp aggpssprdl peprvsteht nnkiekiyim kadtvivgtv kaelpegrgl
541 agpaepelee eleadhtphy peqetepplg scsdvmlsve eegkedplpt aasgk
(SEQ ID NO. 11)
```

FIGURE 28
ICOS AMINO ACID SEQUENCE

1 mksglwyffl fclrikvltg eingsanyem fifhnggvqi lckypdivqq fkmqllkggq
61 ilcdltkktkg sgntvsiksl kfchsqslsnn svsflynl d hshanyyfc n lsifdpppfk
121 vlttggy lhi yesqlccqlk fwlpigcaaf vvcilgcil icwltkkkys ssvhdpngey
181 mfmravntak ksrltdvtl (SEQ ID NO. 12)

FIGURE 29
CD28 AMINO ACID SEQUENCE

1 mlrllllalnl fpsiqvtgk ilvkqspmlv aydnavlsc kysynlfsre fraslhkgld
61 savevcvvyg nysqqlqvys ktgfncdgkl gnesvtfylq nlyvngtdiy fckievmypp
121 pyldneksng tiihvkghl cpsplfpgps kpfwvlvvg gvlacysllv tvafiifwvr
181 skrsrllhsd ymmtprrpg ptrkhyqpya pprdfaayrs (SEQ ID NO. 13)

FIGURE 30
OX40 AMINO ACID SEQUENCE

```
1  mcvgarrrlgr  gpcaallllg  lglstvtglh  cvgdtypsnd  rcchecripgn  gmvsrccsrsq
61  ntvcrcpgpg  fyndvvsskp  ckpctwcnlr  sgserkqlct  atqdtvcrcr  agtqpldsyk
121 pgvdcapcpp  ghfspgdnqa  ckpwtntcla  gkhtlqpasn  ssdaicedrd  ppatqpqetq
181 gpparpitvq  pteawprtsq  gpstrpvevp  ggravaailg  lglvlgllgp  laillalyll
241 rrdqrlppda  hkppgggsfr  tpiqeeqada  hstlaki    (SEQ ID NO. 14)
```

Figure 31
4-1-BB Amino Acid Sequence

```
1 mgnscyniva tlllvlnfer trslqdpesn cpagtfcdnn rnqicspcpp nsfssaggqr
61 tcdicrqckg vfrtrkecss tsnaecdctp gfhclgagcs mceqdckqgg eltkkgckdc
121 cfmtfndqkr gicrpwtncs ldgksvlvng tkerdvvcgp spadlspgas svtpapare
181 pghspqiisf flaltstall flfffltlrf svvkrgrkkl lyifkqpfmr pvqttqeedg
241 cscrfpeeee ggcel (SEQ ID NO. 15)
```


FIGURE 32
CD27 AMINO ACID SEQUENCE

```
1 marphpwwlc vlgtlvglsa tpapkscper hywaqgklcc qmcepgtflv kdcqhrkaa
61 qcdpcipgvs fspdhhttrph cescrhcnsg llvrnctita naecacrngw qcrdkectec
121 dplpnpslta rssqalsphp qpthlpyvse mleartaghm qtladfrqlp artlsthwpp
181 qrslcssdfi rilvifsgmf lvftlagalf lhqrrkyrsn kgespvepae pcryscpree
241 egstipiqed yrkpepacsp (SEQ ID NO. 16)
```

FIGURE 33
IL-18 RECEPTOR AMINO ACID SEQUENCE

```

1 mncrelpltl wvlisvstae sctsrphitv vegepfylkh cscslaheie tttkswykss
61 gsqehvelnp rsssrialhd cvlefwpvel ndtgsyffqm knytqkwkln virrnkhscf
121 terqvtskiv evkkffqitc ensyyqtlvn stslyknckk llennknpt ikknaefedq
181 gyyscvhflh hngklfnitk tfnitivedr snivpvllgp klnhvavelg knvrlncsal
241 lneedviywm fgeengsdpn iheekemrim tpegkwhask vlrieniges nlnvlynctv
301 astggttdtk filvrkadma dipghvftgr miiavlilva vvclvtvcvi yrvdlvlfyr
361 hltrrdetlt dgktydafvs ylkecrpeng eehtfaveil prvlekhfgy klciferdvv
421 pggavvdeih sliksrrli ivlsksymsn evryelesgl healverkik iilieftpvt
481 dftflpqslk llkshrvlkw kadkslsyns rfwnllylm paktvkpgrd epevlplvse
541 s (SEQ ID NO. 17)

```

FIGURE 34
PD-1 AMINO ACID SEQUENCE

1 mqipqapwpv vwavlqlgwr pgwfldspdr pwnpptfspa llvvtgedna tftcsfsnts
61 esfvlnwurm spsnqtdkla afpedrsqpg qdcrrfrvtql pnggrdfhmsv vrarrndsgt
121 ylcgaislap kaqikeslra elrvterrae vptahpspsp rsagqfqlv vgvvggllgs
181 lvllvwvlav icsraargti garrtgqplk edpsavpvfs vdygeldfqw rektpeppvp
241 cvpeqteyat ivfpsgmgtg sparrgsadg prsaqplrpe dghcswpl (SEQ ID NO. 18)

FIGURE 35
RAT TNF RECEPTOR 1 AMINO ACID SEQUENCE

```
1 mglpivpgll lslvllallm gihpsgtgl vpslgdrekr dnlcpqgkya hpknnsicct
61 kchkgtylvs dcpspggetv cevcdkgftf asqnhvrqcl sckterkemf qveispckad
121 mdtvcgckkn qfgrylseth fqcvcscpcf ngvtvtpcke kqntvcncha gfflsgnect
181 pcshckknqe cmklclppva nvtnpqdsgr avllplvifl glcllffici sllcrypqwr
241 prvysiicrd sapvkevege givtkpltpa sipafspnpg fnptlgfstt prfshpvsst
301 pispvfgpsn whnfvpvre vvptqgadpl lygslnpvpj papvrkwedv vaaqpqrldt
361 adpamlyavv dgvpptwrke fmrlglseh eierlelqng rclreahysm leawrrrtpr
421 heatldvgr vlcdmnlrgc leniretles pahsstthlp r (SEQ ID NO. 21)
```

FIGURE 36
MURINE CTLA4 AMINO ACID SEQUENCE

```
1 maclgrryk aqlqlpsrtw pfvalltllf ipvfseaiqv tqpsvvllass hgasfpcey
61 spshntdevr vtvlrqtn dq mtevcattft ekntvgfldy pfcsgtfnes rvnltiqglr
121 avdtglylck velmypppyf vgmgnqtqi vidpepcpds dflwlvav slglffysfl
181 vsavslskml kkrsppltgv yvkmpptepe cekqfqpyfi pin (SEQ ID NO. 19)
```

FIGURE 37
TACI AMINO ACID SEQUENCE

1 msglgrsrrg grsrdqeer fpqglwtgva mrsceeqyw dpllgtdmsc kticnhqsqr
61 tcaafcrsls crkeggkfyd hllrdcisca sicgghpkqc ayfcenklrs pvnlppeelrr
121 qrsgevenns dngryqgle hrgseaspal pglklsadqv alvystlgic lcavlccflv
181 avacflkkrq dpcscqprsr prqspakssq dhameagspv stspepvetc sfcfpecrap
241 tgesavtpgt pdptcagrwg chtrttvlqp cphipdsqglg ivcvpaqegg pga
(SEQ ID NO. 27)